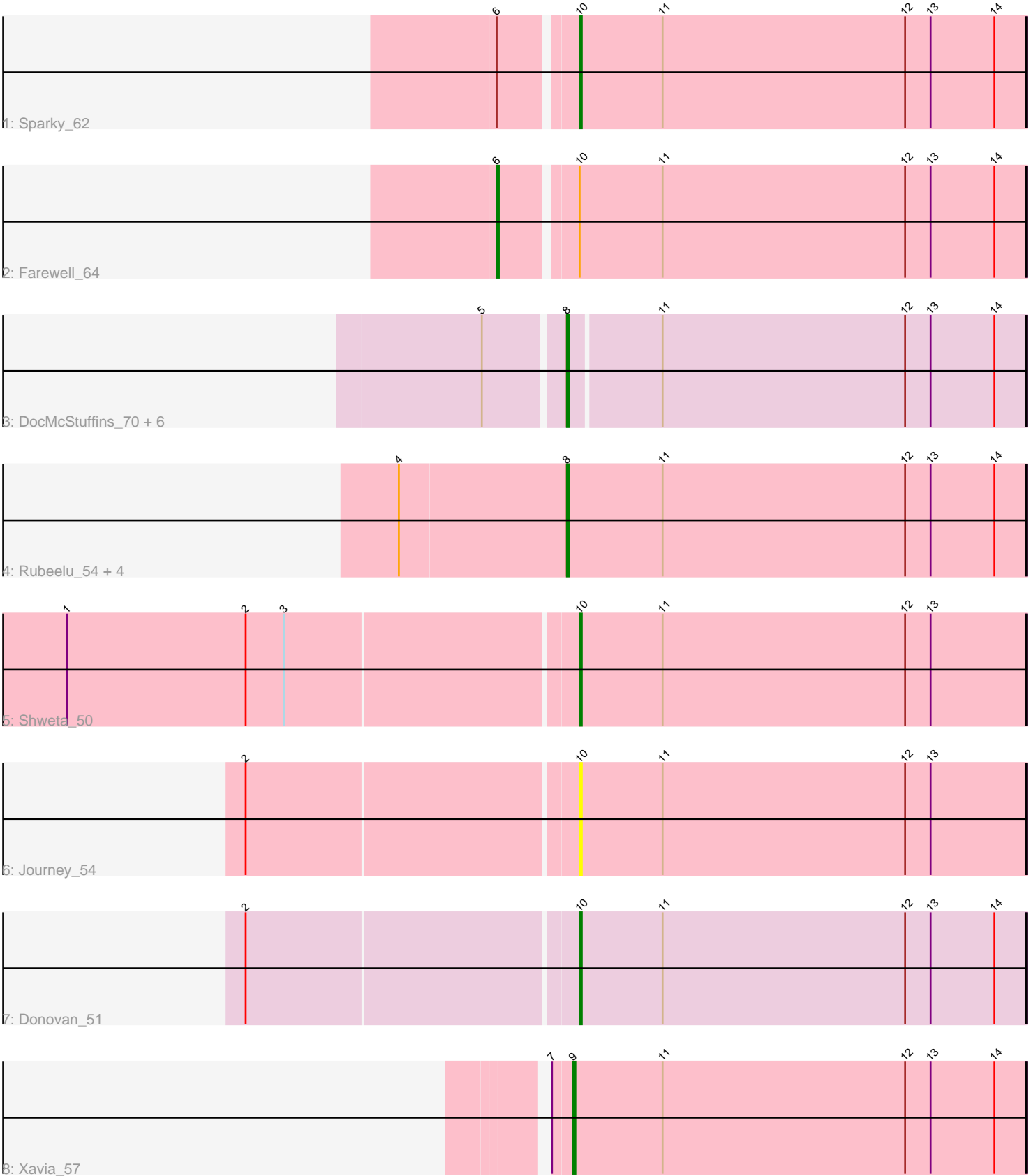


Pham 87033



Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 87033 Report

This analysis was run 04/28/24 on database version 559.

Pham number 87033 has 18 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Sparky_62
- Track 2 : Farewell_64
- Track 3 : DocMcStuffins_70, SkinnyPete_49, TootsiePop_69, Piper2020_72, Awesomesauce_71, ChickenDinner_73, Misha28_69
- Track 4 : Rubeelu_54, Panchino_49, Butters_54, Charlie_52, Bosection6_52
- Track 5 : Shweta_50
- Track 6 : Journey_54
- Track 7 : Donovan_51
- Track 8 : Xavia_57

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 8, it was called in 9 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Awesomesauce_71, Bosection6_52, Butters_54, Charlie_52, ChickenDinner_73, DocMcStuffins_70, Misha28_69, Panchino_49, Piper2020_72, Rubeelu_54, SkinnyPete_49, TootsiePop_69,

Genes that have the "Most Annotated" start but do not call it:

-

Genes that do not have the "Most Annotated" start:

- Donovan_51, Farewell_64, Journey_54, Shweta_50, Sparky_62, Xavia_57,

Summary by start number:

Start 6:

- Found in 2 of 18 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 14
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Farewell_64 (AF),

Start 8:

- Found in 12 of 18 (66.7%) of genes in pham
- Manual Annotations of this start: 9 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Awesomesauce_71 (F1), Bosection6_52 (N), Butters_54 (N), Charlie_52 (N), ChickenDinner_73 (F1), DocMcStuffins_70 (F1), Misha28_69 (F1), Panchino_49 (N), Piper2020_72 (F1), Rubeelu_54 (N), SkinnyPete_49 (N), TootsiePop_69 (F1),

Start 9:

- Found in 1 of 18 (5.6%) of genes in pham
- Manual Annotations of this start: 1 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Xavia_57 (P3),

Start 10:

- Found in 5 of 18 (27.8%) of genes in pham
- Manual Annotations of this start: 3 of 14
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Donovan_51 (P1), Journey_54 (N), Shweta_50 (N), Sparky_62 (AF),

Summary by clusters:

There are 5 clusters represented in this pham: F1, P3, AF, P1, N,

Info for manual annotations of cluster AF:

- Start number 6 was manually annotated 1 time for cluster AF.
- Start number 10 was manually annotated 1 time for cluster AF.

Info for manual annotations of cluster F1:

- Start number 8 was manually annotated 4 times for cluster F1.

Info for manual annotations of cluster N:

- Start number 8 was manually annotated 5 times for cluster N.
- Start number 10 was manually annotated 1 time for cluster N.

Info for manual annotations of cluster P1:

- Start number 10 was manually annotated 1 time for cluster P1.

Info for manual annotations of cluster P3:

- Start number 9 was manually annotated 1 time for cluster P3.

Gene Information:

Gene: Awesomesauce_71 Start: 43094, Stop: 43306, Start Num: 8

Candidate Starts for Awesomesauce_71:

(5, 43058), (Start: 8 @43094 has 9 MA's), (11, 43136), (12, 43250), (13, 43262), (14, 43292),

Gene: Bosection6_52 Start: 34163, Stop: 34378, Start Num: 8

Candidate Starts for Bosection6_52:

(4, 34085), (Start: 8 @34163 has 9 MA's), (11, 34208), (12, 34322), (13, 34334), (14, 34364),

Gene: Butters_54 Start: 35758, Stop: 35973, Start Num: 8

Candidate Starts for Butters_54:

(4, 35680), (Start: 8 @35758 has 9 MA's), (11, 35803), (12, 35917), (13, 35929), (14, 35959),

Gene: Charlie_52 Start: 33902, Stop: 34117, Start Num: 8

Candidate Starts for Charlie_52:

(4, 33824), (Start: 8 @33902 has 9 MA's), (11, 33947), (12, 34061), (13, 34073), (14, 34103),

Gene: ChickenDinner_73 Start: 44011, Stop: 44223, Start Num: 8

Candidate Starts for ChickenDinner_73:

(5, 43975), (Start: 8 @44011 has 9 MA's), (11, 44053), (12, 44167), (13, 44179), (14, 44209),

Gene: DocMcStuffins_70 Start: 44011, Stop: 44223, Start Num: 8

Candidate Starts for DocMcStuffins_70:

(5, 43975), (Start: 8 @44011 has 9 MA's), (11, 44053), (12, 44167), (13, 44179), (14, 44209),

Gene: Donovan_51 Start: 35505, Stop: 35714, Start Num: 10

Candidate Starts for Donovan_51:

(2, 35355), (Start: 10 @35505 has 3 MA's), (11, 35544), (12, 35658), (13, 35670), (14, 35700),

Gene: Farewell_64 Start: 42579, Stop: 42821, Start Num: 6

Candidate Starts for Farewell_64:

(Start: 6 @42579 has 1 MA's), (Start: 10 @42612 has 3 MA's), (11, 42651), (12, 42765), (13, 42777),
(14, 42807),

Gene: Journey_54 Start: 34748, Stop: 34957, Start Num: 10

Candidate Starts for Journey_54:

(2, 34598), (Start: 10 @34748 has 3 MA's), (11, 34787), (12, 34901), (13, 34913),

Gene: Misha28_69 Start: 43099, Stop: 43311, Start Num: 8

Candidate Starts for Misha28_69:

(5, 43063), (Start: 8 @43099 has 9 MA's), (11, 43141), (12, 43255), (13, 43267), (14, 43297),

Gene: Panchino_49 Start: 36055, Stop: 36270, Start Num: 8

Candidate Starts for Panchino_49:

(4, 35977), (Start: 8 @36055 has 9 MA's), (11, 36100), (12, 36214), (13, 36226), (14, 36256),

Gene: Piper2020_72 Start: 43994, Stop: 44206, Start Num: 8

Candidate Starts for Piper2020_72:

(5, 43958), (Start: 8 @43994 has 9 MA's), (11, 44036), (12, 44150), (13, 44162), (14, 44192),

Gene: Rubeelu_54 Start: 35758, Stop: 35973, Start Num: 8

Candidate Starts for Rubeelu_54:

(4, 35680), (Start: 8 @35758 has 9 MA's), (11, 35803), (12, 35917), (13, 35929), (14, 35959),

Gene: Shweta_50 Start: 35292, Stop: 35501, Start Num: 10

Candidate Starts for Shweta_50:

(1, 35058), (2, 35142), (3, 35160), (Start: 10 @35292 has 3 MA's), (11, 35331), (12, 35445), (13, 35457),

Gene: SkinnyPete_49 Start: 33470, Stop: 33682, Start Num: 8

Candidate Starts for SkinnyPete_49:

(5, 33434), (Start: 8 @33470 has 9 MA's), (11, 33512), (12, 33626), (13, 33638), (14, 33668),

Gene: Sparky_62 Start: 43128, Stop: 43337, Start Num: 10

Candidate Starts for Sparky_62:

(Start: 6 @43095 has 1 MA's), (Start: 10 @43128 has 3 MA's), (11, 43167), (12, 43281), (13, 43293),
(14, 43323),

Gene: TootsiePop_69 Start: 43099, Stop: 43311, Start Num: 8

Candidate Starts for TootsiePop_69:

(5, 43063), (Start: 8 @43099 has 9 MA's), (11, 43141), (12, 43255), (13, 43267), (14, 43297),

Gene: Xavia_57 Start: 41496, Stop: 41708, Start Num: 9

Candidate Starts for Xavia_57:

(7, 41487), (Start: 9 @41496 has 1 MA's), (11, 41538), (12, 41652), (13, 41664), (14, 41694),